



SUBMITTAL DATA SHEET

Inverter Heat Pump for Swimming Pools

PHP-50

Location: _____
Engineer: _____
Submitted to: _____
Submitted by: _____
Reference: _____

Approval: _____
Date: _____
Construction: _____
Unit #: _____
Drawing #: _____

Product UPC Number 810175551722

Set Model
Outdoor unit model PHP-50

Certified
AHRI
CSA



SYSTEM PERFORMANCE DATA

Electrical		
Power Supply	(V, Ph, Hz)	208/230V, 1Ph, 60Hz
Fuse	(A)	20
Power Cord	(AWG)	2x12
Operating Temperature		
	(°F)	32°F-109°F
Max. Pool Capacity		
	(Gal)	≤ 14000
	(L)	≤ 52000
Air Input Capacity (80°F)		
	(A)	2.00 - 11.0
	(kW)	0.46 - 2.53
Advised Water Flux		
	(L/min)	83 - 116
Sound Pressure at 3m		
	(dB(A))	34.9 - 46.0
Noise at 10 ft.		
	(dB(A))	≤ 50
Heating Capacity		
Conditions: Air 80°F / Water 80°F / Humidity 80°F		
Heating Capacity	(Btu/h)	50000
Heating Capacity (Silent Mode)	(Btu/h)	40000
COP	(W/W)	10.6 - 5.98
Conditions: Air 80°F / Water 80°F / Humidity 63°F		
Heating Capacity	(Btu/h)	47500
Heating Capacity (Silent Mode)	(Btu/h)	37200
COP	(W/W)	9.7 - 5.5
Conditions: Air 50°F / Water 80°F / Humidity 63°F		
Heating Capacity	(Btu/h)	28900
Heating Capacity (Silent Mode)	(Btu/h)	20295
COP	(W/W)	5.1 - 4.15

UNIT SPECIFICATIONS & DIMENSIONS

Casing	-	ABS Casing
Air Discharge	-	Horizontal
Water Pipe In-Out Dimensions	(in)	1 1/2"
Unit Dimensions (WxDxH)	(in)	37.8 x 13.4 x 25.9
Net Weight	(lbs)	114
Heat Exchanger	-	Titanium PVC
Waterproof Class	-	IPX4

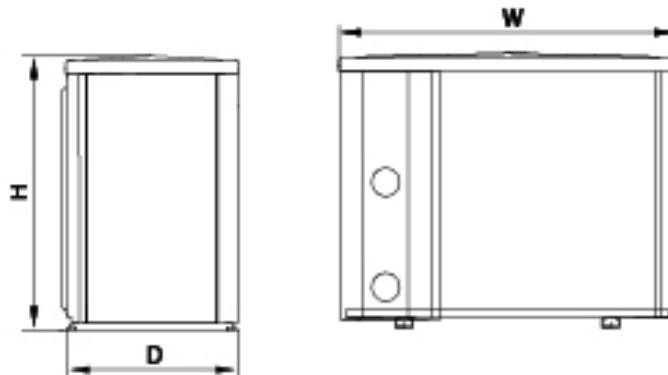
REFRIGERANT DATA

Refrigerant Type	-	R410A
Charge Amount	(oz)	38.8
Design Pressure (High)	(PSIG)	≤609
Design Pressure (Low)	(PSIG)	≤261

WARRANTY DATA

Parts & Labor	-	3 years
Exchanger & Compressor	-	5 years

Unit Dimensions



Size(inch)	Name	W	D	H
Model		(Width)	(Depth)	(Height)
ACIQ50		37.8	13.4	25.9